

About Vijayawada:

Vijayawada earlier known as Bezawada, is the second largest city in Andhra Pradesh, India, located on the banks of the Krishna River and bounded by the Indrakiladri Hills on the West and the Budameru River on the North. It is located east of proposed Andhra Pradesh Capital City and is the second largest city in the state after Visakhapatnam. Vijayawada literally translates to "The Place of Victory". Its prominence as a major trading and business center has earned it the title of, "The Business Capital of Andhra Pradesh". Situated along the Madras-Howrah and Madras-Delhi Railway route, this is the largest railway junction of the South Central Railway region. The city is in Krishna District, The very mention of Vijayawada, first brings to mind delicious mangoes and pickles. Lying in the rich coastal delta of the state, the cuisine of Vijayawada is spicy and deliciously varied. The Northern, North-Western, and South-Western parts of the city are covered by a low range of hills, while the Central, South-Western and North-Western parts are covered by rich and fertile agriculture lands with three major irrigation canals. The topography of Vijayawada is flat, with a few small to medium sized hills. The Krishna River runs through the city. These hills are part of the Eastern Ghats cut through by the Krishna river. They have very low elevation compared to the average elevation of the ghats. Three canals originating from the north side of the Prakasham barrage reservoir, Eluru, Bandar and Ryves, run through the city. Vijayawada is the only city in the world with two rivers, Krishna, Budameru, and three canals. Buckingham Canal originates from the south side of the reservoir. Due to the presence of the Krishna River the soil around here is very fertile and cultivated intensively.

About the department:

The undergraduate department of physics was started in the year 1975. Later the post graduate department was started in the year 2003 with an intake of 24 students and it has increased to 36. The faculty are all qualified and well experienced. The department has well equipped laboratories both in electronics and general physics and they are of their own kind in the area of two universities Acharya Nagarjuna University and Krishna University. The department is also recognized as the research centre. The department has a separate research laboratory with equipment like digital balance, magnetic stirrer, furnaces thin film deposition plant etc. to prepare different classes of materials like, thin films, liquid crystals etc. The faculty has eligibility to guide research scholars for Ph.D and M.Phil., programmes. Till now 4 M.Phils were awarded and one Ph.D is ready for submission.

How To Reach Vijayawada:

connected to the rest of the country by National Highways. Vijayawada Railway Junction is the largest railway junction on the south central railway network. It is also well connected by Air. The domestic Airport is at GANNAVARAM, about 19km from the seminar venue, connects Vijayawada to Hyderabad, Bangalore, Chennai, New Delhi and Jaipur. Seminar venue is located about 4km from Vijayawada Railway Station and Vijayawada A.P.S.R.T.C. Bus Stand. Auto Rickshaw and RTC Buses are available from Railway Station to reach the seminar Venue.

Profile of the College :

Parvathaneni Brahmayya Siddhartha College of Arts & Science is the first offspring of "Siddhartha Academy of General & Technical Education" in the year 1975. From the beginning the college has emerged as one of the premier institutions of higher learning in the State. At present the college is offering 8 PG and more than 10 UG courses. The college has well furnished class rooms, well equipped laboratories, full fledged Botany & Zoology museums, an excellent library and reading room with Open Access System and free internet facility, a very big Indoor Stadium, multi-gym, a well furnished auditorium, a large play field and an excellent hostel in hygienic conditions. Since 1988 the UG college is enjoying full academic Autonomy. The college has introduced "Choice Based Credit System" from the year 2005-06 where as the PG Centre is affiliated to Krishna University and recognized as research centre by Krishna University offering M.Phil and Ph.D programmes.

Siddhartha Academy of General & Technical Education has 3 Degree Colleges, 2 Junior Colleges, 2 Schools, 2 Technical Institutions and 9 Professional Colleges.

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A Two Day International Seminar on "Materials for the societal advancement with emphasis on health and energy" (22-23rd February, 2017)

Organized by
Department of Physics
Parvathaneni Brahmayya Siddhartha College
of Arts & Science
Siddhartha Nagar,
Vijayawada-520 010
Andhra Pradesh, India

Re-accredited at the level 'A' by the NAAC
College with Potential for Excellence (UGC)



in association with
Andhra Pradesh Akademi of sciences [APAS]



and
A.P State Council of Science and Technology
(APCOST)

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Theme of the Seminar :

Materials and society are closely interlinked. Historians have identified civilizations by materials such as the Stone Age, Bronze Age, and Iron Age. Materials have always been the enabling tools allowing humankind to shape its existence on the globe.

During the last three to four decades, much of our societal advancements are due to advancements in materials science and engineering. We have witnessed the re-shaping of our lives through revolutions in the telecommunications, medical, and transportation industries.

On the one hand technology, has offered the promise of a better world through the elimination of disease and material improvements to standards of living. On the other hand, resource traction, emissions of dangerous materials, and pollution of air, water, and soil have created conditions for unprecedented environmental catastrophe and have already caused irreversible damage to the biosphere. While the future might promise a vast acceleration of technological innovation, the scale and impact of environmental degradation may reflect this vast acceleration as well. A related painful paradox is that, despite the ongoing technological revolution, the majority of the world population still lives in abject poverty with inadequate food, housing, and energy, plagued by illnesses that could be easily cured if clean water and simple drugs were made available.

The aim of this seminar is to envision a sustainable and equitable global society through reflection on the role of material science in society's future. Technology will support and enhance a "good life" for, without compromising the earth's ecosystem or the prospects of later generations. A good life requires essentially that basic human needs are met and aspirations for freedom, belonging, and self-realization are fulfilled as much as possible. It does not necessarily mean the maximization of material production and consumption. Thus, we consider innovation in material sciences in the context of the good life and how life can be supported or threatened.

Venue :

Seminar Hall

P.B. Siddhartha College of Arts & Science,
Siddhartha Nagar, Vijayawada-520 010,
Andhra Pradesh, India.

REGISTRATION FORM

Name :
Designation :
College / Institution :
Address (With contact number and e-mail ID) :
Participation / Presentation of the paper :
Title of the paper :
Accommodation required : YES / NO
Registration Fee :
D.D. Number and Date :
Name of the Bank and Place :

Signature

Registration Fee:

Faculty : Rs.500
Students : Rs.120
Delegates from Industry : Rs.800

Accommodation:

Will be provided in the local hotels with tariff rates ranging from Rs.1,400/- to Rs.5,000/-.

Posters :

Post-Graduate students are encouraged to send Abstracts of poster presentation to the e-mail of the "Organizing Secretary" before 15th February, 2017. Name of the author presenting the paper must be underlined.

Abstract and full length research paper of the Faculty / Research Scholars / Scientists should reach the organizing secretary on or before 15th February, 2017

Prof: K. Krishna Murthy

Organizing Secretary

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